

Auto Hand Spring Winder.

The Best Tool Company, Boston, Mass., whose product is marketed by the Smith & Hemenway Company, 29½ Broadway, New York, have put out the Auto hand spring winder, here shown. Fig. 1 illustrates the method of using it, Figs. 2 and 3 demonstrating its adaptability for hand or power work, with mandrel in vise or lathe. It is made in two sizes—No. 633, 5 inches long, and No. 634, 9½ inches long. The former is made to manipulate wire

mandrel for that purpose, and the operation can begin, the size of the product depending on diameter and length of mandrel. It will be seen that special springs can easily be improvised if wire and proper mandrel are at hand.

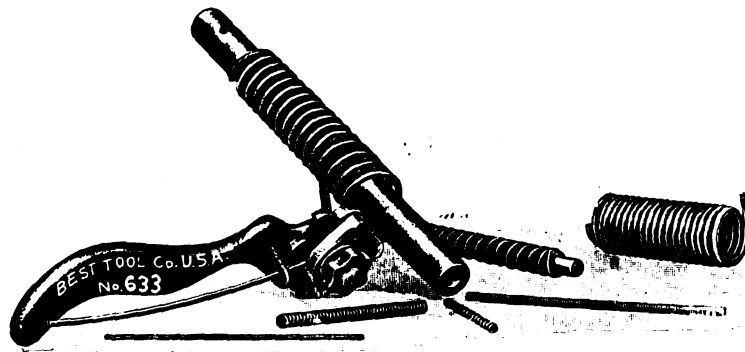


Fig. 1.—Auto Hand Spring Winder in Operation.

in Brown & Sharpe gauges Nos. 36 to 12, inclusive, No. 634 handling wires in gauges 24 to 3, inclusive. The tension and spacing plates are of Coe bronze, with malleable iron handles. The tension plate is so made as to

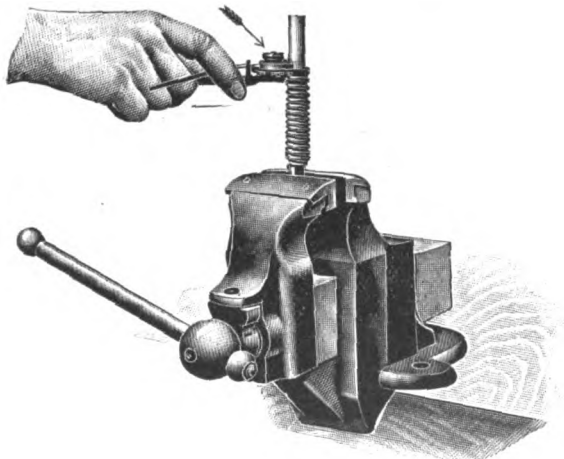


Fig. 2.—Winding a Spring by Hand.

space the intervals of each turn in widths of 1, 2, 4, 5, 6 and 7-32 inch, the large tool being arranged for 3, 4, 5, 7 and 8-32 inch spacings. In use with any of the wires within tool limits it is only necessary to loosen the bind-

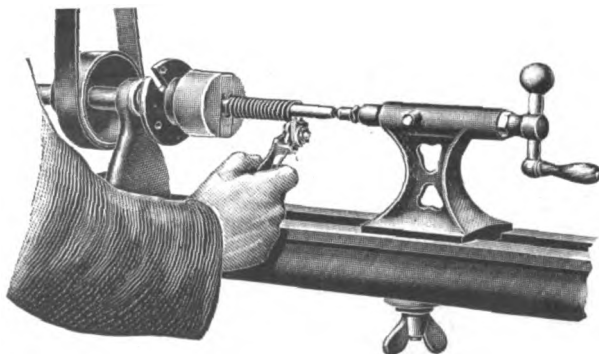


Fig. 3.—Winding a Spring in Lathe.

ing nut, revolve the plate until the required width is reached and retighten. One end of the wire coil is then passed from the rear through the hole which feeds to the tension plate, through an aperture in the axle to space between plate and body of tool, and then to a hole in the